



PCT1

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,816

DATE: 08/14/2002

TIME: 09:38:12

Input Set : A:\EP.txt

Output Set: N:\CRF3\08142002\J019816.raw

3 <110> APPLICANT: AGREZ, MICHAEL V

4 AHMED, NUZHAT

6 <120> TITLE OF INVENTION: A METHOD OF MODULATING INTEGRIN MEDIATED CELLULAR ACTIVITY
AND AGENTS

7 USEFUL FOR SAME

9 <130> FILE REFERENCE: SW-046 XX

11 <140> CURRENT APPLICATION NUMBER: US 10/019,816

12 <141> CURRENT FILING DATE: 2000-06-28

14 <150> PRIOR APPLICATION NUMBER: PQ 1248

15 <151> PRIOR FILING DATE: 1999-06-28

17 <150> PRIOR APPLICATION NUMBER: PQ 8003

18 <151> PRIOR FILING DATE: 2000-06-06

20 <160> NUMBER OF SEQ ID NOS: 23

22 <170> SOFTWARE: PatentIn version 3.1

24 <210> SEQ ID NO: 1

25 <211> LENGTH: 788

26 <212> TYPE: PRT

27 <213> ORGANISM: HOMO SAPIENS

29 <400> SEQUENCE: 1

31 Met Gly Ile Glu Leu Leu Cys Leu Phe Phe Leu Phe Leu Gly Arg Asn

32 1 5 10 15

35 Asp Ser Arg Thr Arg Trp Leu Cys Leu Gly Gly Ala Glu Thr Cys Glu

36 20 25 30

39 Asp Cys Leu Leu Ile Gly Pro Gln Cys Ala Trp Cys Ala Gln Glu Asn

40 35 40 45

43 Phe Thr His Pro Ser Gly Val Gly Glu Arg Cys Asp Thr Pro Ala Asn

44 50 55 60

47 Leu Leu Ala Lys Gly Cys Gln Leu Asn Phe Ile Glu Asn Pro Val Ser

48 65 70 75 80

51 Gln Val Glu Ile Leu Lys Asn Lys Pro Leu Ser Val Gly Arg Gln Lys

52 85 90 95

55 Asn Ser Ser Asp Ile Val Gln Ile Ala Pro Gln Ser Leu Ile Leu Lys

56 100 105 110

59 Leu Arg Pro Gly Gly Ala Gln Thr Leu Gln Val His Val Arg Gln Thr

60 115 120 125

63 Glu Asp Tyr Pro Val Asp Leu Tyr Tyr Leu Met Asp Leu Ser Ala Ser

64 130 135 140

67 Met Asp Asp Asp Leu Asn Thr Ile Lys Glu Leu Gly Ser Gly Leu Ser

68 145 150 155 160

71 Lys Glu Met Ser Lys Leu Thr Ser Asn Phe Arg Leu Gly Phe Gly Ser

72 165 170 175

75 Phe Val Glu Lys Pro Val Ser Pro Phe Val Lys Thr Thr Pro Glu Glu

76 180 185 190

79 Ile Ala Asn Pro Cys Ser Ser Ile Pro Tyr Phe Cys Leu Pro Thr Phe

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80	195	200	205
83	Gly Phe Lys His Ile Leu Pro Leu Thr Asn Asp Ala Glu Arg Phe Asn		
84	210	215	220
87	Glu Ile Val Lys Asn Gln Lys Ile Ser Ala Asn Ile Asp Thr Pro Glu		
88	225	230	235
91	Gly Gly Phe Asp Ala Ile Met Gln Ala Ala Val Cys Lys Glu Lys Ile		240
92	245	250	255
95	Gly Trp Arg Asn Asp Ser Leu His Leu Leu Val Phe Val Ser Asp Ala		
96	260	265	270
99	Asp Ser His Phe Gly Met Asp Ser Lys Leu Ala Gly Ile Val Ile Pro		
100	275	280	285
103	Asn Asp Gly Leu Cys His Leu Asp Ser Lys Asn Glu Tyr Ser Met Ser		
104	290	295	300
107	Thr Val Leu Glu Tyr Pro Thr Ile Gly Gln Leu Ile Asp Lys Leu Val		
108	305	310	315
111	Gln Asn Asn Val Leu Leu Ile Phe Ala Val Thr Gln Glu Gln Val His		320
112	325	330	335
115	Leu Tyr Glu Asn Tyr Ala Lys Leu Ile Pro Gly Ala Thr Val Gly Leu		
116	340	345	350
119	Leu Gln Lys Asp Ser Gly Asn Ile Leu Gln Leu Ile Ile Ser Ala Tyr		
120	355	360	365
123	Glu Glu Leu Arg Ser Glu Val Glu Leu Glu Val Leu Gly Asp Thr Glu		
124	370	375	380
127	Gly Leu Asn Leu Ser Phe Thr Ala Ile Cys Asn Asn Gly Thr Leu Phe		
128	385	390	395
131	Gln His Gln Lys Lys Cys Ser His Met Lys Val Gly Asp Thr Ala Ser		400
132	405	410	415
135	Phe Ser Val Thr Val Asn Ile Pro His Cys Glu Arg Arg Ser Arg His		
136	420	425	430
139	Ile Ile Ile Lys Pro Val Gly Leu Gly Asp Ala Leu Glu Leu Leu Val		
140	435	440	445
143	Ser Pro Glu Cys Asn Cys Asp Cys Gln Lys Glu Val Glu Val Asn Ser		
144	450	455	460
147	Ser Lys Cys His His Gly Asn Gly Ser Phe Gln Cys Gly Val Cys Ala		
148	465	470	475
151	Cys His Pro Gly His Met Gly Pro Arg Cys Glu Cys Gly Glu Asp Met		480
152	485	490	495
155	Leu Ser Thr Asp Ser Cys Lys Glu Ala Pro Asp His Pro Ser Cys Ser		
156	500	505	510
159	Gly Arg Gly Asp Cys Tyr Cys Gly Gln Cys Ile Cys His Leu Ser Pro		
160	515	520	525
163	Tyr Gly Asn Ile Tyr Gly Pro Tyr Cys Gln Cys Asp Asn Phe Ser Cys		
164	530	535	540
167	Val Arg His Lys Gly Leu Leu Cys Gly Gly Asn Gly Asp Cys Asp Cys		
168	545	550	555
171	Gly Glu Cys Val Cys Arg Ser Gly Trp Thr Gly Glu Tyr Cys Asn Cys		560
172	565	570	575
175	Thr Thr Ser Thr Asp Ser Cys Val Ser Glu Asp Gly Val Leu Cys Ser		
176	580	585	590

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179 Gly Arg Gly Asp Cys Val Cys Gly Lys Cys Val Cys Thr Asn Pro Gly
 180 595 600 605
 181 Ala Ser Gly Pro Thr Cys Glu Arg Cys Pro Thr Cys Gly Asp Pro Cys
 184 610 615 620
 187 Asn Ser Lys Arg Ser Cys Ile Glu Cys His Leu Ser Ala Ala Gly Gln
 188 625 630 635 640
 191 Ala Gly Glu Glu Cys Val Asp Lys Cys Lys Leu Ala Gly Ala Thr Ile
 192 645 650 655
 195 Ser Glu Glu Glu Asp Phe Ser Lys Asp Gly Ser Val Ser Cys Ser Leu
 196 660 665 670
 199 Gin Gly Glu Asn Glu Cys Leu Ile Thr Phe Leu Ile Thr Thr Asp Asn
 200 675 680 685
 203 Glu Gly Lys Thr Ile Ile His Ser Ile Asn Glu Lys Asp Cys Pro Lys
 204 690 695 700
 207 Pro Pro Asn Ile Pro Met Ile Met Leu Gly Val Ser Leu Ala Thr Leu
 208 705 710 715 720
 211 Leu Ile Gly Val Val Leu Leu Cys Ile Trp Lys Leu Leu Val Ser Phe
 212 725 730 735
 215 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
 216 740 745 750
 219 Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
 220 755 760 765
 223 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
 224 770 775 780
 227 Ser Thr Asp Cys
 228 785
 231 <210> SEQ ID NO: 2
 232 <211> LENGTH: 15
 233 <212> TYPE: PRT
 234 <213> ORGANISM: HOMO SAPIENS
 236 <400> SEQUENCE: 2
 238 Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg
 239 1 5 10 15
 242 <210> SEQ ID NO: 3
 243 <211> LENGTH: 10
 244 <212> TYPE: PRT
 245 <213> ORGANISM: HOMO SAPIENS
 247 <400> SEQUENCE: 3
 249 Arg Ser Lys Ala Lys Asn Pro Leu Tyr Arg
 250 1 5 10
 253 <210> SEQ ID NO: 4
 254 <211> LENGTH: 5
 255 <212> TYPE: PRT
 256 <213> ORGANISM: HOMO SAPIENS
 258 <400> SEQUENCE: 4
 260 Arg Ser Lys Ala Lys
 261 1 5
 264 <210> SEQ ID NO: 5
 265 <211> LENGTH: 5

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266 <212> TYPE: PRT
267 <213> ORGANISM: HOMO SAPIENS
269 <400> SEQUENCE: 5
271 Asn Pro Leu Tyr Arg
272 1 5
275 <210> SEQ ID NO: 6
276 <211> LENGTH: 41
277 <212> TYPE: PRT
278 <213> ORGANISM: HOMO SAPIENS
280 <400> SEQUENCE: 6
282 His Asp Arg Arg Glu Phe Ala Lys Phe Glu Lys Glu Lys Met Asn Ala
283 1 5 10 15
286 Lys Trp Asp Thr Gly Glu Asn Pro Ile Tyr Lys Ser Ala Val Thr Thr
287 20 25 30
290 Val Val Asn Pro Lys Tyr Glu Gly Lys
291 35 40
294 <210> SEQ ID NO: 7
295 <211> LENGTH: 40
296 <212> TYPE: PRT
297 <213> ORGANISM: HOMO SAPIENS
299 <400> SEQUENCE: 7
301 Ser Asp Leu Arg Glu Tyr Arg Arg Phe Glu Lys Glu Lys Leu Lys Ser
302 1 5 10 15
305 Gln Trp Asn Asn Asp Asn Pro Leu Phe Lys Ser Ala Thr Thr Thr Val
306 20 25 30
309 Met Asn Pro Lys Phe Ala Glu Ser
310 35 40
313 <210> SEQ ID NO: 8
314 <211> LENGTH: 41
315 <212> TYPE: PRT
316 <213> ORGANISM: HOMO SAPIENS
318 <400> SEQUENCE: 8
320 His Asp Arg Lys Glu Phe Ala Lys Phe Glu Glu Arg Ala Arg Ala
321 1 5 10 15
324 Lys Trp Asp Thr Ala Asn Asn Pro Leu Tyr Lys Glu Ala Thr Ser Thr
325 20 25 30
328 Phe Thr Asn Ile Thr Tyr Arg Gly Thr
329 35 40
332 <210> SEQ ID NO: 9
333 <211> LENGTH: 52
334 <212> TYPE: PRT
335 <213> ORGANISM: HOMO SAPIENS
337 <400> SEQUENCE: 9
339 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
340 1 5 10 15
343 Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
344 20 25 30
347 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
348 35 40 45

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351 Ser Thr Asp Ser
352 50
355 <210> SEQ ID NO: 10
356 <211> LENGTH: 52
357 <212> TYPE: PRT
358 <213> ORGANISM: HOMO SAPIENS
360 <400> SEQUENCE: 10
362 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
363 1 5 10 15
366 Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr
367 20 25 30
370 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
371 35 40 45
374 Ser Thr Asp Cys
375 50
378 <210> SEQ ID NO: 11
379 <211> LENGTH: 22
380 <212> TYPE: PRT
381 <213> ORGANISM: HOMO SAPIENS
383 <400> SEQUENCE: 11
385 His Asp Arg Lys Glu Val Ala Lys Phe Glu Ala Glu Arg Ser Lys Ala
386 1 5 10 15
389 Lys Trp Gln Thr Gly Thr
390 20
393 <210> SEQ ID NO: 12
394 <211> LENGTH: 20
395 <212> TYPE: PRT
396 <213> ORGANISM: HOMO SAPIENS
398 <400> SEQUENCE: 12
400 Arg Ser Lys Ala Lys Trp Gln Thr Gly Thr Asn Pro Leu Tyr Arg Gly
401 1 5 10 15
404 Ser Thr Ser Thr
405 20
408 <210> SEQ ID NO: 13
409 <211> LENGTH: 20
410 <212> TYPE: PRT
411 <213> ORGANISM: HOMO SAPIENS
413 <400> SEQUENCE: 13
415 Asn Pro Leu Tyr Arg Gly Ser Thr Ser Thr Phe Lys Asn Val Thr Tyr
416 1 5 10 15
419 Lys His Arg Glu
420 20
423 <210> SEQ ID NO: 14
424 <211> LENGTH: 20
425 <212> TYPE: PRT
426 <213> ORGANISM: HOMO SAPIENS
428 <400> SEQUENCE: 14
430 Phe Lys Asn Val Thr Tyr Lys His Arg Glu Lys Gln Lys Val Asp Leu
431 1 5 10 15

VERIFICATION SUMMARY

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